

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S34	21	Petzelt.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 07:17
S35	3	S34 and cyplasin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 07:17
S36	4	S34 and "sea hare"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 07:48
S37	4	S34 and "Aplysia"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 07:53
S38	7	cyplasin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 07:48
S39	10	"Aplysia punctata"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:01
S40	20588	(530/350).CCLS.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/01/10 07:54
S41	2	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:01
S42	524	"Aplysia"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:01
S43	10	S39 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:02
S44	65	530/857	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:02

## EAST Search History

S45	0	S44 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:08
S46	862	(930/10).CCLS.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/01/10 08:08
S47	3	S46 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/10 08:08

## Seq-takamatsu alignment.txt

GenCore version 5.1.9

Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: August 31, 2006, 22:31:52 ; Search time 43 seconds  
(without alignments)  
1206.066 Million cell updates/sec

Title: US-10-501-098-1\_COPY\_20\_558  
Perfect score: 2838  
Sequence: 1 RTVCESKQECDAAQCDKTLD.....FKSERSHNVQPPSHMASHVG 539

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : PIR\_80:\*  
1: pir1:\*  
2: pir2:\*  
3: pir3:\*  
4: pir4:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2098	73.9	556	2	S68408	aplysianin A precu

## ALIGNMENTS

RESULT 1  
S68408  
aplysianin A precursor - Kuroda's sea hare  
C;Species: Aplysia kurodai (Kuroda's sea hare)  
C;Date: 28-Oct-1996 #sequence\_revision 13-Mar-1997 #text\_change 09-Jul-2004  
C;Accession: S68408; S74273  
R;Takamatsu, N.; Shiba, T.; Muramoto, K.; Kamiya, H.  
FEBS Lett. 377, 373-376, 1995  
A;Title: Molecular cloning of the defense factor in the albumen gland of the sea hare Aplysia kurodai.  
A;Reference number: S68408; MUID:96140550; PMID:8549758  
A;Accession: S68408  
A;Molecule type: mRNA  
A;Residues: 1-556 <TAK>  
A;Cross-references: UNIPROT:Q17043; UNIPARC:UPI0000125C9C; EMBL:D83255;  
NID:g1389562; PIDN:BAA11867.1; PID:g1199691  
A;Accession: S74273  
A;Molecule type: protein  
A;Residues: 20-44;95-115 <TAA>  
A;Cross-references: UNIPARC:UPI0000178C04; UNIPARC:UPI0000178C05  
C;Superfamily: achacin

## Seq-takamatsu alignment.txt

F;1-19/Domain: signal sequence #status predicted <SIG>  
F;20-556/Product: aplysianin A #status experimental <MAT>

Query Match 73.9%; Score 2098; DB 2; Length 556;  
Best Local Similarity 73.1%; Pred. No. 7.6e-149;  
Matches 395; Conservative 64; Mismatches 75; Indels 6; Gaps 3;

```
Qy      1 RTVCESKQECDAACDKTLDVAIVGAGAAGAYSAYLLRNKGQNIGVFEFCDRVGGRLFTY 60
      |||||:| || |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      20 RRVCESQSCDDEQCDETLNIAIVGAGPSGAYSAYKMRHSGKDVGLFEYCNRVGGRLTY 79

Qy      61 QLPNTPDVQLELGGMRYITGAHNLLGVVRQLGLTPVVFTEGFGKLGRTRYRLRQSLTF 120
      |||||:| |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      80 QLPNTPDVNLELGGMRYITGAHNILQEVTKELGLKSVLFTGFGRPGRTRYFLRGQSLTH 139

Qy     121 QEVLTDGVPYNLTVAEKQNQDNIFAFYKELTRFDVGDGFVTRQLLKLRVSDGRLLYQL 180
      :|| :|||:| || || | : :|||:| ||:|:| :|||:|:|:|:|:|:|:|:|
Db     140 EEVQSGDVPYNLTIEKLNQGRIEYLLKELTGFDIGNGSISREQLLKLRVSDGRLLYQL 199

Qy     181 TFDEALDLVASPEGKEFARDIHVFTTEVSDDANAVSVFDDHLGEDGVGEEIHTVQEGMQK 240
      |||||:| |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     200 TFDEALDLVASPEGKEFARDVHVFHTEVTSANAVSVFDDHLGEDGAGDAILTVEEGMQK 259

Qy     241 VPEQLLRAFGNSSVFGRVFTNLQLKAIRSKSDKSHVLYFRTTSTVDGKTTILKFEPLQK 300
      ||:|:|:| | :| :|| | |:|:|:|:| | |||:|:|:|:|:|:|:|:|:|:|
Db     260 VPKELIKEFKKTSASNQVQLNKYLQAIRSKSDHSFVLYFRPTSTVDGKTTILDYRPLQR 318

Qy     301 VCTRQIILALPVFALMQVDWPPLRENRAQKAYGAVRTIPASKVFMTFDQPWWLQNDVDF 360
      || ||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     319 VCARQVILALPVFALRRLDWPPLHEGRAETAYAAVRNMAASKVFMTFDQAWWLDNRFTDN 378

Qy     361 PAFVTKGDTTFSQMYDWKKSEASGDYILIASYADGNNTLFQRVLRDQGEPIGSEAGAH 420
      |||||:| |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     379 TAFVTKGDTTFSQMYDWKSNVSGDYILIASYADGNNTLYQKVL RDQGESINGSEPGANR 438

Qy     421 VSEPLKNQILDHLADAFGVPRSDIQEPKTAVSKFWTDYPFGCGWITWRAGYHFDDVMNTM 480
      |||||:| |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     439 VSEPLKNNILDHLSEAYGVDRSTIPEPKTAVSQFWTDYPFGCGWITWRAGYHFDDVMSTM 498

Qy     481 RRPSLTDEVYVVGADYSWGLISSWVEGALETSYEVIDTYFKSERSHNVQPPS--HMASHV 538
      |||||:| |||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     499 RRPSLKDEVYVVGADYSWGLMSSWTEGALETADAVLKDYFKGECA---KPPSVDHLDSHM 555
```

Logon

\*\*\* It is now 1/10/07 12:03:54 PM \*\*\*

## **Welcome to DialogLink - Version 5**

### **Revolutionize the Way You Work!**

? Help Log On Msg

\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

#### NEW FILES RELEASED

\*\*\*Engineering Index Backfile (File 988)

\*\*\*Verdict Market Research (File 769)

\*\*\*EMCare (File 45)

\*\*\*Trademarkscan - South Korea (File 655)

#### RESUMED UPDATING

\*\*\*File 141, Reader's Guide Abstracts

\*\*\*

#### RELOADS COMPLETED

\*\*\*Files 340, 341 & 942, CLAIMS/U.S. Patents - 2006 reload now online

\*\*\*Files 173 & 973, Adis Clinical Trials Insight

\*\*\*File 11, PsycInfo

\*\*\*File 531, American Business Directory

\*\*\*

#### DATABASES REMOVED

\*\*\*File 196, FINDEX

\*\*\*File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug  
Data Report (F452), Prous Science Drugs of the Future (F453),  
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus

(File 302).

\*\*\*

>>>For the latest news about Dialog products, services, content<<<  
>>>and events, please visit What's New from Dialog at <<<  
>>><http://www.dialog.com/whatsnew/>. You can find news about<<<  
>>>a specific database by entering HELP NEWS <file number>.<<<

? Help Off Line

\* \* \*

Connecting to Suzanne Noakes - Dialog - 276629

Connected to Dialog via SMS00220

? b 155 biosci medicine 399

>>>W: 44 is unauthorized

76 is unauthorized

138 is unauthorized

3 of the specified files are not available

[File 155] **MEDLINE(R)** 1950-2006/Dec 06

(c) format only 2006 Dialog. All rights reserved.

*\*File 155: MEDLINE has temporarily stopped updating with UD=20061206. Please see HELP NEWS154 for details.*

[File 5] **Biosis Previews(R)** 1969-2007/Dec W5

(c) 2007 The Thomson Corporation. All rights reserved.

[File 24] **CSA Life Sciences Abstracts** 1966-2006/Oct

(c) 2006 CSA. All rights reserved.

[File 28] **Oceanic Abstracts** 1966-2006/Oct

(c) 2006 CSA. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jan W1

(c) 2007 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2006/Nov

(c) 2006 ProQuest Info&Learning. All rights reserved.

[File 40] **Enviroline(R)** 1975-2007/Dec

(c) 2007 Congressional Information Service. All rights reserved.

[File 41] **Pollution Abstracts** 1966-2006/Oct

(c) 2006 CSA. All rights reserved.

[File 45] **EMCare** 2007/Dec W5

(c) 2007 Elsevier B.V. All rights reserved.

[File 50] **CAB Abstracts** 1972-2007/Dec

(c) 2007 CAB International. All rights reserved.

[File 65] **Inside Conferences** 1993-2007/Jan 10

(c) 2007 BLDSC all rts. reserv. All rights reserved.

[File 71] **ELSEVIER BIOBASE** 1994-2007/Jan W1

(c) 2007 Elsevier B.V. All rights reserved.

[File 73] **EMBASE** 1974-2007/Jan 10

(c) 2007 Elsevier B.V. All rights reserved.

*\*File 73: Elsevier will not provide an update to Embase on . January 1, 2007.*

[File 91] **MANTIS(TM)** 1880-2006/Jan

2001 (c) Action Potential. All rights reserved.

[File 94] **JICST-EPlus** 1985-2007/Jan W1

(c)2007 Japan Science and Tech Corp(JST). All rights reserved.

*\*File 94: UD200609W2 is the last update for 2006. UD200701W1 is the first update for 2007. The file is complete and up to date.*

[File 98] **General Sci Abs** 1984-2007/Jan

(c) 2007 The HW Wilson Co. All rights reserved.

[File 110] **WasteInfo** 1974-2002/Jul

(c) 2002 AEA Techn Env. All rights reserved.

*\*File 110: This file is closed (no updates)*

[File 135] **NewsRx Weekly Reports** 1995-2007/Dec W5

(c) 2007 NewsRx. All rights reserved.

[File 136] **BioEngineering Abstracts** 1966-2006/Oct

(c) 2006 CSA. All rights reserved.

[File 143] **Biol. & Agric. Index** 1983-2007/Dec

(c) 2007 The HW Wilson Co. All rights reserved.

[File 144] **Pascal** 1973-2006/Dec W1

(c) 2006 INIST/CNRS. All rights reserved.

[File 164] **Allied & Complementary Medicine** 1984-2007/Jan

(c) 2007 BLHCIS. All rights reserved.

[File 172] **EMBASE Alert** 2007/Jan 10

(c) 2007 Elsevier B.V. All rights reserved.

[File 185] **Zoological Record Online(R)** 1978-2007/Jan

(c) 2007 The Thomson Corp. All rights reserved.

[File 357] **Derwent Biotech Res.** \_1982-2007/Jan W1

(c) 2007 The Thomson Corp. All rights reserved.

[File 369] **New Scientist** 1994-2007/Oct W2

(c) 2007 Reed Business Information Ltd. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3

(c) 1999 AAAS. All rights reserved.

*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Reactions** 2006/Q4

(c) 2006 Beilstein GmbH. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec

(c) 2001 Informania Ltd. All rights reserved.

[File 149] **TGG Health&Wellness DB(SM)** 1976-2007/Dec W4

(c) 2007 The Gale Group. All rights reserved.

[File 156] **ToxFile** 1965-2006/Nov W1

(c) format only 2006 Dialog. All rights reserved.

*\*File 156: ToxFile has stopped updating with MEDLINE records. Please see HELP NEWS 154 for details.*

[File 159] **Cancerlit** 1975-2002/Oct

(c) format only 2002 Dialog. All rights reserved.

*\*File 159: Cancerlit is no longer updating. Please see HELP NEWS159.*

[File 162] **Global Health** 1983-2007/Dec

(c) 2007 CAB International. All rights reserved.

[File 266] **FEDRIP** 2006/Dec

Comp & dist by NTIS, Intl Copyright All Rights Res. All rights reserved.

[File 399] **CA SEARCH(R)** 1967-2007/UD=14603

(c) 2007 American Chemical Society. All rights reserved.

*\*File 399: Use is subject to the terms of your user/customer agreement. IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.*

[File 444] **New England Journal of Med.** 1985-2007/Dec W4

(c) 2007 Mass. Med. Soc. All rights reserved.

? s au=((petzelt C?) or (petzelt c.) or (petzelt c.?))

261 AU=PETZELT C?

32 AU=PETZELT C.

34 AU=PETZELT C.?

S1 261 S AU=((PETZELT C?) OR (PETZELT C.) OR (PETZELT C.?))

? s s1 and "sea hare"

261 S1



132 SEA HARE  
S2 0 S S1 AND "SEA HARE"

? s s1 and aplysia

261 S1  
34541 APLYSIA  
S3 10 S S1 AND APLYSIA

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S4 4 RD (UNIQUE ITEMS)

? t s4/medium/all

4/3/1 (Item 1 from file: 155)

Fulltext available through: [Ebsco Host EJS \(Electronic Journals Service\)](#) [USPTO Full Text Retrieval Options](#)  
[SCIENCEDIRECT](#)  
[MEDLINE\(R\)](#)

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13683129 PMID: 11922391

**Cytotoxic cyplasin of the sea hare, Aplysia punctata, cDNA cloning, and expression of bioactive recombinants in insect cells.**

**Petzelt Christian;** Joswig Gaby; Stammer Hermann; Werner Dieter

Laboratoire International de Biologie Marine, Ile d'Yeu, France. petzelt@libmyeu.com

Neoplasia (New York, N.Y.) ( United States ) Jan-Feb 2002 , 4 (1) p49-59 , ISSN: 1522-8002--Print **Journal Code:** 100886622

Publishing Model Print

**Document type:** Journal Article

**Languages:** ENGLISH

**Main Citation Owner:** NLM

**Record type:** MEDLINE; Completed

4/3/2 (Item 1 from file: 5)

Fulltext available through: [ScienceDirect \(Elsevier\)](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
[Biosis Previews\(R\)](#)

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0013025985 **Biosis No.:** 200100197824

**Cyplasin kills preferentially autonomous cycling cells**

**Author:** Petzelt C (Reprint); Werner D

**Author Address:** Experimental Anesthesiology, Dept. of Anesthesiology and Intensive Care, University Hospital Charite, Spandauer Damm 130, FH31, D-14050, Berlin, Germany\*\*Germany

**Journal:** Cell Biology International 25 ( 2 ): p A23 2001 2001

**Medium:** print

**Conference/Meeting:** 12th European Cell Cycle Conference Tyrol, Austria February 10-14, 2001; 20010210

**Sponsor:** International Federation for Cell Biology

Austrian Academy of Sciences

**ISSN:** 1065-6995

**Document Type:** Meeting; Meeting Abstract

**Record Type:** Citation

**Language:** English

4/3/3 (Item 1 from file: 357)

Derwent Biotech Res.

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0324501 **DBA Accession No.:** 2003-25642 **PATENT**

**Isolated nucleic acid encoding cyplasin with a deleted or non-functional secretory signal sequence useful for treatment of cancer involving vector-mediated gene transfer and expression in host cell for use in cancer therapy**

**Author:** PETZELT C

**Patent Assignee:** PETZELT C 2003

**Patent Number:** EP 1325929 **Patent Date:** 20030709 **WPI Accession No.:** 2003-699136 ( 200367 )

**Priority Application Number:** EP 2002388 **Application Date:** 20020107

**National Application Number:** EP 200219914 **Application Date:** 20020904

**Language:** English

4/3/4 (Item 2 from file: 357)

Derwent Biotech Res.

(c) 2007 The Thomson Corp. All rights reserved.

0212342 **DBA Accession No.:** 97-07463 **PATENT**

**Protein with antitumor activity**

**- recombinant cytostatic production and gene therapy of virus disease or tumor**

**Author:** Petzelt C

**Corporate Source:** Berlin, Germany.

**Patent Assignee:** Petzelt C 1997

**Patent Number:** DE 19540902 **Patent Date:** 970507 **WPI Accession No.:** 97-260329 ( 9724 )

**Priority Application Number:** DE 1040902 **Application Date:** 951102

**National Application Number:** DE 1040902 **Application Date:** 951102

**Language:** German

? s "cyplasin"

S5 13 S "CYPLASIN"

? s cyplasin?

S6 22 S CYPLASIN?

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S7 6 RD (UNIQUE ITEMS)

? s s7 NOT s4

6 S7

4 S4

S8 3 S S7 NOT S4

? t s8/medium/all

8/3/1 (Item 1 from file: 155)

Fulltext available through: [ScienceDirect \(Elsevier\)](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
[MEDLINE\(R\)](#)

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19861816 PMID: 16153453

**Cloning and biochemical characterization of APIT, a new l-amino acid oxidase from Aplysia punctata.**

Butzke Daniel; Hurwitz Robert; Thiede Bernd; Goedert Sigrid; Rudel Thomas

Department of Molecular Biology, Max Planck Institute for Infection Biology, Schumannstr. 21/22, D-10117 Berlin, Germany.

Toxicon - official journal of the International Society on Toxinology ( England ) Oct 2005 , 46 (5) p479-89 ,

ISSN: 0041-0101--Print Journal Code: 1307333

Publishing Model Print

**Document type:** Journal Article

**Languages:** ENGLISH

**Main Citation Owner:** NLM

**Record type:** MEDLINE; Completed

8/3/2 (Item 1 from file: 399)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#) [ProQuest](#)

CA SEARCH(R)

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139081775 CA: 139(6)81775v JOURNAL

**Isolation of symbiotically expressed genes from the dinoflagellate symbiont of the solitary radiolarian *Thalassicolla nucleata***

**Author:** Gast, Rebecca J.; Beaudoin, David J.; Caron, David A.

**Location:** Woods Hole Oceanographic Institution, Woods Hole, MA, 02543, USA

**Journal:** Biol. Bull. (Woods Hole, MA, U. S.)

**Date:** 2003

**Volume:** 204 **Number:** 2 **Pages:** 210-214

**CODEN:** BIBUBX

**ISSN:** 0006-3185

**Language:** English

**Publisher:** Marine Biological Laboratory

8/3/3 (Item 2 from file: 399)

CA SEARCH(R)

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139064472 CA: 139(5)64472b PATENT

**Protein and cDNA sequences of a *Aplysia punctata* cytotoxic cytoplasm and use in cancer therapy**

**Inventor (Author):** Petzelt, Christian

**Location:** Germany,

**Patent:** European Pat. Appl. ; EP 1325929 A2 **Date:** 20030709

**Application:** EP 200219914 (20020904) \*EP 2002388 (20020107)

**Pages:** 36 pp.

**CODEN:** EPXXDW

**Language:** English

**Patent Classifications:**

**Class:** C07K-014/435A; C12N-015/12B; C12N-005/10B; A61K-038/17B; A61K-048/00B

**Designated Countries:** AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE; MC; PT; IE; SI; LT; LV; FI; RO; MK; CY; AL; TR; BG; CZ; EE; SK

? s aplysia

S9 34541 S APLYSIA

? s s9 and ?tumor?

Processing

>>>W: File 155 processing for ?TUMOR? stopped at AKTIVERAS

File 5 processing for ?TUMOR? stopped at ABSTRACT ANIMAL MODEL TOXICITY

File 24 processing for ?TUMOR? stopped at ANETOL  
File 28 processing for ?TUMOR? stopped at COMANDER  
File 34 processing for ?TUMOR? stopped at ACTIVATOR PROTEIN-C  
File 35 processing for ?TUMOR? stopped at BASCULACION  
File 40 processing for ?TUMOR? stopped at IMPERSONAL  
File 41 processing for ?TUMOR? stopped at ENVIRONMENTAL DECISION SUPPORT SYSTEM  
File 45 processing for ?TUMOR? stopped at BASOPHILIC LEUCOCYTE  
File 50 processing for ?TUMOR? stopped at ALIEJAUS  
File 65 processing for ?TUMOR? stopped at BIOFRAGMENTABLE  
File 71 processing for ?TUMOR? stopped at ALOIFOLIUM  
File 73 processing for ?TUMOR? stopped at AGNORMETER95  
File 91 processing for ?TUMOR? stopped at NA2SEO3  
File 94 processing for ?TUMOR? stopped at AS-RS  
File 98 processing for ?TUMOR? stopped at CHECKMATE  
File 135 processing for ?TUMOR? stopped at CELL BASED ASSAYS  
File 136 processing for ?TUMOR? stopped at DEOXYNOJIMYCIN  
File 143 processing for ?TUMOR? stopped at ECHINOCYTOSIS  
File 144 processing for ?TUMOR? stopped at ACIERA CR:3-5 MO:3-5 NB:2-2,5 W:5-10 C:0,23-0,  
File 164 processing for ?TUMOR? stopped at KONGENSIS  
File 172 processing for ?TUMOR? stopped at DV PATTERNING  
File 185 processing for ?TUMOR? stopped at ADELOPSIS GALEA  
File 357 processing for ?TUMOR? stopped at BOTA  
File 369 processing for ?TUMOR? stopped at METHYLPARABEN  
File 370 processing for ?TUMOR? stopped at LACTOBACILLUS  
File 391 processing for ?TUMOR? stopped at ACETIC ACID 3-METHOXY-10,13,16-TRIMETHYL-2,3,4  
File 434 processing for ?TUMOR? stopped at ANGELOYLOXYMAXIMILIANIN  
File 149 processing for ?TUMOR? stopped at ARTOM  
File 156 processing for ?TUMOR? stopped at ANTILEISHMANIAL AGENTS  
File 159 processing for ?TUMOR? stopped at BETA-TOCOPHEROL  
File 162 processing for ?TUMOR? stopped at BELMONTAS  
File 266 processing for ?TUMOR? stopped at CHLOROHYDROCARBON INSECTICIDE  
File 399 processing for ?TUMOR? stopped at ADENIYA  
File 444 processing for ?TUMOR? stopped at FENBUFEN

5 ?TUMOR?  
S10 0 S S9 AND ?TUMOR?

? s s9 and ?tumor

Processing

>>>W: File 155 processing for ?TUMOR stopped at AKTIVERAS

File 5 processing for ?TUMOR stopped at ABSTRACT ANIMAL MODEL TOXICITY

File 24 processing for ?TUMOR stopped at ANETOL

File 28 processing for ?TUMOR stopped at COMANDER

File 34 processing for ?TUMOR stopped at ACTIVATOR PROTEIN-C

File 35 processing for ?TUMOR stopped at BASCULACION

File 40 processing for ?TUMOR stopped at IMPERSONAL

File 41 processing for ?TUMOR stopped at ENVIRONMENTAL DECISION SUPPORT SYSTEM

File 45 processing for ?TUMOR stopped at BASOPHILIC LEUCOCYTE

File 50 processing for ?TUMOR stopped at ALIEJAUS

File 65 processing for ?TUMOR stopped at BIOFRAGMENTABLE

File 71 processing for ?TUMOR stopped at ALOIFOLIUM

File 73 processing for ?TUMOR stopped at AGNORMETER95

File 91 processing for ?TUMOR stopped at NA2SEO3

File 94 processing for ?TUMOR stopped at AS-RS

File 98 processing for ?TUMOR stopped at CHECKMATE

File 135 processing for ?TUMOR stopped at CELL BASED ASSAYS

File 136 processing for ?TUMOR stopped at DEOXYNOJIMYCIN

File 143 processing for ?TUMOR stopped at ECHINOCYTOSIS

File 144 processing for ?TUMOR stopped at ACIERA CR:3-5 MO:3-5 NB:2-2,5 W:5-10 C:0,23-0,

File 164 processing for ?TUMOR stopped at KONGENSIS

File 172 processing for ?TUMOR stopped at DV PATTERNING

File 185 processing for ?TUMOR stopped at ADELOPSIS GALEA

File 357 processing for ?TUMOR stopped at BOTA

File 369 processing for ?TUMOR stopped at METHYLPARABEN

File 370 processing for ?TUMOR stopped at LACTOBACILLUS

File 391 processing for ?TUMOR stopped at ACETIC ACID 3-METHOXY-10,13,16-TRIMETHYL-2,3,4

File 434 processing for ?TUMOR stopped at ANGELOYLOXYMAXIMILIANIN

File 149 processing for ?TUMOR stopped at ARTOM

File 156 processing for ?TUMOR stopped at ANTILEISHMANIAL AGENTS  
 File 159 processing for ?TUMOR stopped at BETA-TOCOPHEROL  
 File 162 processing for ?TUMOR stopped at BELMONTAS  
 File 266 processing for ?TUMOR stopped at CHLOROHYDROCARBON INSECTICIDE  
 File 399 processing for ?TUMOR stopped at ADENIYA  
 File 444 processing for ?TUMOR stopped at FENBUFEN

```

      34541   S9
          3   ?TUMOR
S11      0   S S9 AND ?TUMOR

```

? d s

Set	Items	Description
S1	261	S AU=((PETZELT C?) OR (PETZELT C.) OR (PETZELT C.?))
S2	0	S S1 AND "SEA HARE"
S3	10	S S1 AND APLYSIA
S4	4	RD (unique items)
S5	13	S "CYPLASIN"
S6	22	S CYPLASIN?
S7	6	RD (unique items)
S8	3	S S7 NOT S4
S9	34541	S APLYSIA
S10	0	S S9 AND ?TUMOR?
S11	0	S S9 AND ?TUMOR

? s (aplysia punctata)

```
S12      84   S (APLYSIA PUNCTATA)
```

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

```
S13      67   RD (UNIQUE ITEMS)
```

? s s13 and (tumor or bacter?)

Processing

67 S13  
5338295 TUMOR  
7057429 BACTER?  
S14 6 S S13 AND (TUMOR OR BACTER?)

? t s14/medium/all

14/3/1 (Item 1 from file: 24)

Fulltext available through: [ScienceDirect \(Elsevier\)](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
CSA Life Sciences Abstracts

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0002801940 IP Accession No: 6677382

**Cloning and biochemical characterization of APIT, a new l-amino acid oxidase from Aplysia punctata**

Butzke, Daniel; Hurwitz, Robert; Thiede, Bernd; Goedert, Sigrid; Rudel, Thomas Department of Molecular Biology, Max Planck Institute for Infection Biology, Schumannstr. 21/22, D-10117 Berlin, Germany, [mailto:rudel@mpiib-berlin.mpg.de]

Toxicon , v 46 , n 5 , p 479-489 , October 2005

**Publication Date:** 2005

**Publisher:** Elsevier Science Ltd., Pergamon, P.O. Box 800 Kidlington Oxford OX5 1DX UK, [mailto:nlinf-f@elsevier.nl], [URL:http://www.elsevier.nl]

**Document Type:** Journal Article

**Record Type:** Abstract

**Language:** English

**Summary Language:** English

**ISSN:** 0041-0101

**File Segment:** Toxicology Abstracts

14/3/2 (Item 2 from file: 24)

Fulltext available through: [American Chemical Society](#) [USPTO Full Text Retrieval Options](#)  
[SCIENCEDIRECT](#)

CSA Life Sciences Abstracts

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0001817526 IP Accession No: 4249044

**New polyhalogenated monoterpenes from the sea hare Aplysia punctata**

Ortega, MJ; Zubia, E; Salva, J\* Depto. de Quimica Organica, Fac. de Cienc. del Mar, Univ. de Cadiz, Apdo. 40, Puerto Real, 11510 Cadiz, Spain

Journal of Natural Products , v 60 , n 5 , p 482-484 , May 1997

**Publication Date:** 1997

**Document Type:** Journal Article

**Record Type:** Abstract

**Language:** English



**Summary Language:** English

**ISSN:** 0163-3864

**ASFA No:** CS9804468

**File Segment:**

Medical & Pharmaceutical Biotechnology Abstracts

14/3/3 (Item 1 from file: 144)

Pascal

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11020813 PASCAL No.: 93-0530319

En Russe

(Inhibitory effects of the purple fluid produced by the mollusc *Aplysia punctata* on the growth of some negative marine **bacteria**)

NISTRATOVA S N; MITSKEVICH I N; MIRAVET-REGALADO M E; JOSEF N

Journal: Mikrobiologija : (Moskva, 1932),  
1992, 61 (5)  
900-902

Language: Russian Summary Language: English

14/3/4 (Item 1 from file: 399)

Fulltext available through: USPTO Full Text Retrieval Options SCIENCEDIRECT  
CA SEARCH(R)

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141420101 CA: 141(26)420101r JOURNAL

**Hydrogen peroxide produced by *Aplysia* ink toxin kills tumor cells independent of apoptosis via peroxiredoxin I sensitive pathways**

**Author:** Butzke, D.; Machuy, N.; Thiede, B.; Hurwitz, R.; Goedert, S.; Rudel, T.

**Location:** Institut fuer Oekotoxikologie und Biochemie der Freien Universitaet Berlin, Berlin, Germany, 26-28

**Journal:** Cell Death Differ.

**Date:** 2004

**Volume:** 11 **Number:** 6 **Pages:** 608-617

**CODEN:** CDDIEK

**ISSN:** 1350-9047

**Language:** English

**Publisher:** Nature Publishing Group

14/3/5 (Item 2 from file: 399)

CA SEARCH(R)

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139064472 CA: 139(5)64472b PATENT

**Protein and cDNA sequences of a Aplysia punctata cytotoxic cyplasin and use in cancer therapy**

**Inventor (Author):** Petzelt, Christian

**Location:** Germany,

**Patent:** European Pat. Appl. ; EP 1325929 A2 **Date:** 20030709

**Application:** EP 200219914 (20020904) \*EP 2002388 (20020107)

**Pages:** 36 pp.

**CODEN:** EPXXDW

**Language:** English

**Patent Classifications:**

**Class:** C07K-014/435A; C12N-015/12B; C12N-005/10B; A61K-038/17B; A61K-048/00B

**Designated Countries:** AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE; MC; PT; IE; SI; LT; LV; FI; RO; MK; CY; AL; TR; BG; CZ; EE; SK

14/3/6 (Item 3 from file: 399)

CA SEARCH(R)

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126325500 CA: 126(25)325500b PATENT

**Protein with anti-tumor activity**

**Inventor (Author):** Petzelt, Christian

**Location:** Germany,

**Assignee:** Petzelt, Christian

**Patent:** Germany Offen. ; DE 19540902 A1 **Date:** 19970507

**Application:** DE 19540902 (19951102)

**Pages:** 4 pp.

**CODEN:** GWXXBX

**Language:** German

**Patent Classifications:**

**Class:** C07K-016/00A; A61K-031/70B; C07K-014/435B; A61K-038/17B; C12N-015/12B; C12N-015/63B; C12N-001/00B; C12N-005/10B